

ABSTRACT

Members to be used in CVD devices, plasma treatment devices, etc. are exhausted by reaction with a corrosive gas or etching with plasma, and therefore, there were encountered problems such as staining of products due to the generation of particles and a reduction of the yield productivity. Also, glasses resistant to corrosive gases or plasma are weak in the heat resistance, and therefore, applications to be employed were limited.

Members containing a heat-resisting base material having coated thereon a corrosion resistant glass containing at least one element selected from the group consisting of elements of the group 2a, group 3a and group 4a, especially an aluminosilicate or zirconia silicate based glass sprayed coating have high corrosion resistance to corrosive gases and plasma and high heat resistance and are less in the generation of particles.